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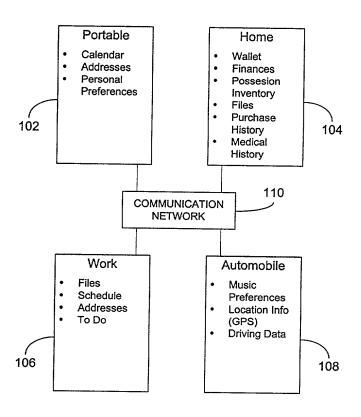


FIG. 1 -PRIOR ART-

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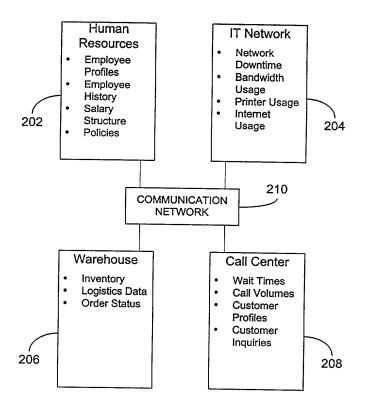


FIG. 2 -PRIOR ART-

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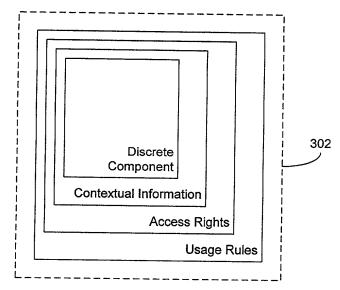


FIG. 3

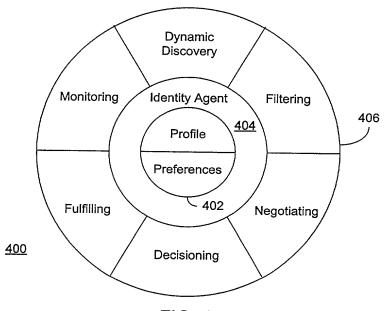


FIG. 4

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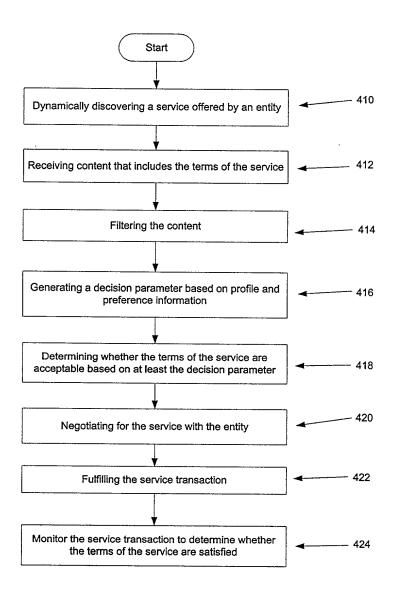


FIG. 4A

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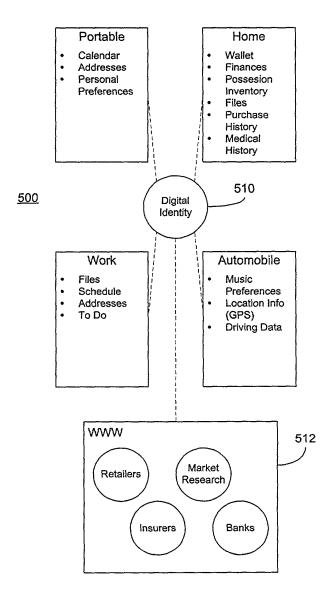


FIG. 5

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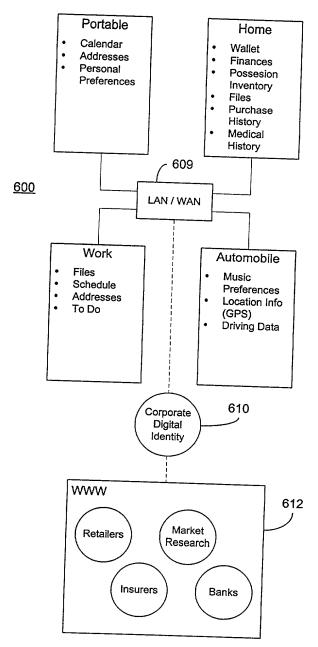


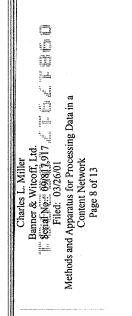
FIG. 6

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CONTENT SOURCES 712 Embedded Device Partner Systems Screen Scrapes Manual Input Application Services CONTENT LOGIC Service Directory Translation Aggregation Transfor-mation COM/CORBA Content Conversion File System Data Access SOAP ODBC Architecture Services XML DATA STORAGE 708 Architecture Services Content Context Meta Data Access Rules Usage Rights Prefer-ences Persona Profile RDBMS XML Authentication Tracking BUSINESS LOGIC 706 Monitoring COM/CORBA Fulfilling Filtering ₩OD ΧM Service Directory Rights Management File System Application Services Architecture Services Enforcement Digital Identity Discovery Decisioning Auditing Negotiating Data Access ODBC XSL Renderer SOAP ACCESS SOAP 704 ORB ORB WAP CLIENTS 702 Browser Partner Systems Phone PDA Agent Bots

FIG. 7



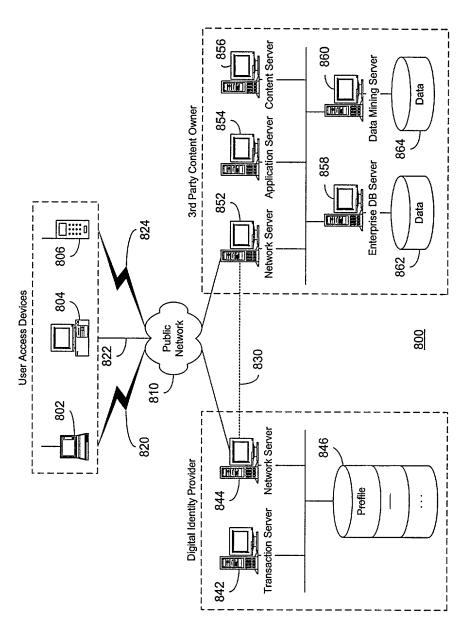


FIG. 8

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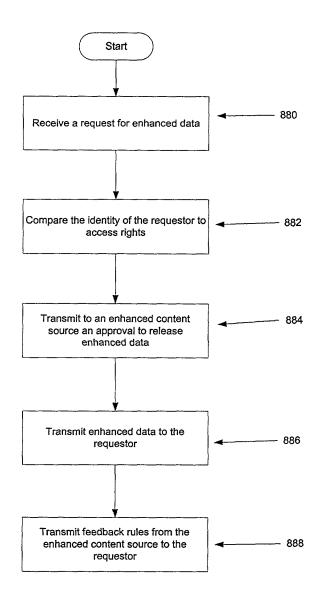


FIG. 8A



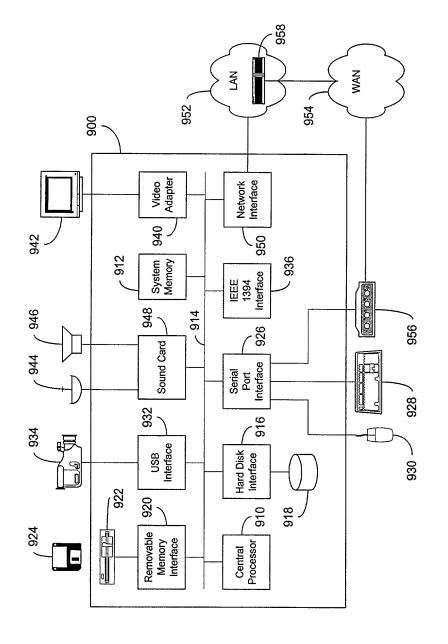


FIG. 9

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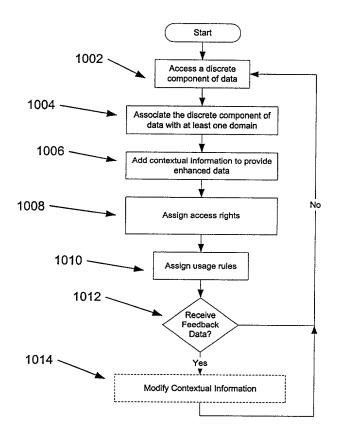


FIG. 10

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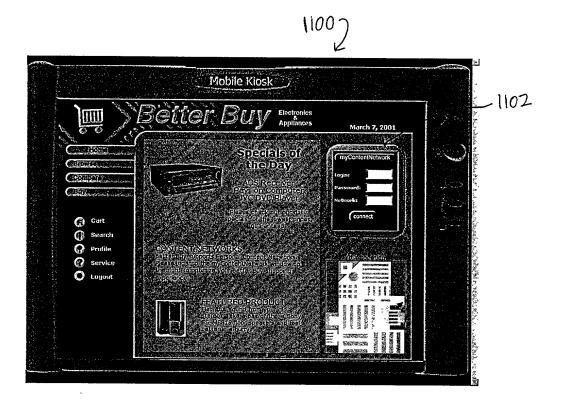


FIG. 11

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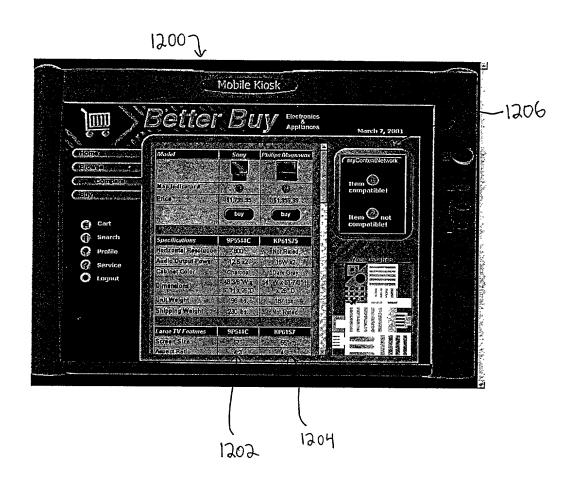


FIG. 12

1118 1015